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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

U45T SERIES

Jameco Part Number 221689 (U45T303-R1BU)

- .3 POLE AC INLET IEC320-C14
- .UNIVERSAL AC INPUT/FULL RANGE
- .CLASS I POWER(WITH EARTH PIN)
- .FULL OUTPUT 3~48V SAFETY APPROVED
- .PROTECTIONS:SHORT CIRCUIT/OVER LOAD/OVER VOLTAGE
- .APPROVALS:UL/CUL/TUV/CE
- .LED INDICATE FOR POWER ON
- .FULLY ENCLOSED PLASTIC CASE
- .100% FULL LOAD BURN-IN TEST
- .1 YEAR WARRANTY

MODEL / SPECIFICATION	U45T-301			U45T-302			U45T-303		
SAFETY MODEL NO.	SPU45E-301			SPU45E-302			SPU45E-303		
DC OUTPUT VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V
OUTPUT V. TOLERANCE	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±10%
OUTPUT RATED CURRENT	3.5A	1.8A	0.5A	5A	1A	0.3A	3.5A	1.2A	0.3A
OUTPUT CURRENT RANGE	0.5-3.5A	0.3-1.8A	0.1-0.5A	0.5-5A	0.2-1A	0.1-0.3A	0.5-3.5A	0.3-1.2A	0.1-0.3A
RIPPLE & NOISE (p-p)	50mV	100mV	100mV	50mV	100mV	100mV	50mV	100mV	100mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±10%
DC OUTPUT POWER	42W			42W			42W		
EFFICIENCY	70%			70%			72%		
DC VOLTAGE ADJ.	FIXED								
INPUT VOLTAGE RANGE	90~264VAC, 47~63Hz								
AC CURRENT	1.35A@100VAC								
INRUSH CURRENT	COLD START,< 40A PEAK/230VAC								
LEAKAGE CURRENT	<0.75mA/240VAC								
OVERLOAD PROTECTION	HICCUP MODE, RESET:AUTO RECOVERY								
OVER VOLTAGE PROTECTION	CH1:110%~140% OF RATED OUTPUT VOLTAGE								
TEMP. COEFFICIENT	±0.04% / ◦C (0~50◦C)								
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 20ms AT FULL LOAD AND 230VAC								
VIBRATION	10~200Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES								
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC 1minute								
ISOLATION RESISTANCE	I/P-O/P, I/P-FG > 100M Ohms min. AT 500VDC								
WORKING TEMP., HUMIDITY	0◦C~+30◦C @ 100% LOAD, 40◦C @ 60% LOAD								
STORAGE TEMP., HUMIDITY	-20◦C~+85◦C, 10%~95% RH								
DIMENSION	146*76*44mm (L*W*H)								
WEIGHT; Q'TY/CARTON	0.5Kgs; 40PCS/CARTON								
SAFETY STANDARDS	UL1950, CSA22.2 ; TUV EN60950 APPROVAL								
EMC STANDARDS	EN55022, EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11 VERIFICATION								
LENGTH OF OUTPUT CABLE	120cm (TYPICAL) WITH AWM2464								
PLUG OF DC OUTPUT	DIN 5 PIN; PIN3:+5VDC, PIN5:+Vout, PIN4:-Vout, PIN1,2:COMMON								

NOTE :

1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD.

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